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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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ATTY. DOCKET NO. NATURES.025A

APPLICATION NO. Unknown

APPLICANT Peter T. McCarthy

FILING DATE
Jul; y 18, 2003

GROUP
Unknown

				U.S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
An	1	5,384	12/4/1847	R.A. Tilghman	-	-	
A	2	144,538	11/11,1873	Harsen	_	_	
An	3	169,396	11/2/1875	O.G. Ahlstrom	_	_	***
	4	234,306	05/20/25	Bevey	_	-	
	5	476,002	12/01/37	Valento .	-	į	
An	6	783,012	02/21/05	Biedermann et al.	_	•	
	7	787,201	unknown	Michiels	-	-	
An	8	871,059	11/12/07	Douse	_	-	
j	9	983,967	2/14/11	Woods	_	-	
	10	998,146	07/18/11	Alfier et al.	-	_	
	11	1,061,264	5/13/1913	Bys	-	_	
	12	1,011,767	12/12/11	Farum	_	_	
	13	1,083,805	6/3/13	Krause	_	_	
	14	1,324,722	12/11/1917	William Bergin		_	
<u> </u>	15	1,607,857	5/27/1926	F. Zukal	_	_	
	16	1,684,714	08/12/27	Perry	-	_	
	17	1,710,673	4/23/29	Воплеу	_	_	
	18	2,123,098	7/5/38	Charpentier	_	_	
	19	2,210,642	8/6/40	Thompson	-	_	
"	20	2,241,305	02/27/39	Hill, Jr.	_		
	21	2,321,009	9/27/1940	O.P. Churchill	_		
	22	2,343,468	3/7/1944	Messinger	-	-	
	23	2,423,571	07/08/47	Wilen	-	-	
	24	2,576,981	12/4/51	Vogt			
	25	2,588,363	03/11/52	Corlieu	-	_	
	26	2,846,165	8/5/58	Axelson	-	_	
1	27	2,850,487	9/2/1958	Gaetano F. D'Alello	-	-	

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EXAMINER	WRIGHT	DATE CONSIDERED		14	04
*EXAMINER: IN	ITIAL IF CITATION CONSIDERED, WHETHER OR N ICE AND NOT CONSIDERED, INCLUDE COPY OF T	OT CITATION IS IN CONFORMANCE WITH MPEP IN THE STORM WITH NEXT COMMUNICATION TO APP	509; LIC	DR	WAW LINE THROUGH CITATION IF NOT

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY, DOCKET NO. NATURES.025A

APPLICATION NO. Unknown

(USE SEVERAL SHEETS IF NECESSARY)

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APPLICANT Peter T. McCarthy

FILING DATE July 18, 2003 **GROUP** Unknown

HADEMARY **U.S. PATENT DOCUMENTS** FILING DATE CLASS SUBCLASS DOCUMENT NUMBER DATE NAME **EXAMINER** (IF APPROPRIATE) INITIAL D.L. Jayet 12/23/1958 2,865,033 28 2,889,563 6/9/1959 E.W. Lamb, et. al. 29 J.L. Wozencraft 2,903,719 9/15/1959 30 08/30/60 Woods 2,950,487 31 3,019,458 2/6/1962 E. De Barbieri, et. al. 32 9/25/1962 L. Ferraro, et. al. 33 3,055,025 Cousteau, et al. 3/26/1963 3,082,442 34 3,084,355 04/09/63 Ciccotelli 35 04/23/63 Holley 36 3,086,492 11/5/63 3,109,495 Lang 37 B.B. Girden 3,112,503 12/3/1963 38 3/2/1965 Auzols 3,171,142 39 Frederick H. Gwynne 3,239,857 3/15/1966 40 6/21/1966 Novelli 3,256,540 41 2/20/68 Rethorst 3,369,775 42 11/19/68 3,411,165 Murdoch 43 3,411,738 11/19/68 Sargent 44 Mares 3,422,470 01/21/69 45 3,453,981 07/08/69 Gause 46 3,480,234 11/25/69 Comish III 47 01/27/70 Winters 48 3,491,997 3,596,854 8/3/71 Haney, Jr. 49 5/30/1972 Picken 3,665,535 50 12/4/73 Kuethe 3,776,363 51 3,773,011 11/20/73 Gronier 52 12/4/73 Kuethe 3,776,363 53 3,810,269 5/14/74 Tabata 54

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	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY, DOCKET NO. NATURES.025A	APPLICATION NO. Unknown
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				U.S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
for	55	3,904,151	9/9/75	Rethorst	-	_	
	56	3,922,741	12/02/75	Semeia	-	-	
	57	3,934,290	01/27/76	Le Vasseur	_	_	
	58	3,952,351	04/27/76	Gisbert			
	59	4,007,506	2/15/1977	Rasmussen		_	
	60	4,025,977	5/31/1977	Cronin	-	-	
	61	4,083,071	04/11/78	Forjot	_	-	
	62	4,108,403	8/22/78	Finch	-	_	
	63	4,193,371	03/18/80	Baulard-Caugan	-	-	
	64	4,197,869	04/15/80	Moncrieff-Yeates	-	-	
	65	4,209,866	7/1/1980	Loeffler	-	_	· · · · · · · · · · · · · · · · · · ·
	66	4,293,110	10/6/81	Middleton et al.	-		
	67	4,323,209	4/6/82	Thompson	-	· <u></u>	
	68	4,342,558	08/03/82	Wilson	_	_	
	69	4,382,569	5/10/83	Boppe et al.	_	•	· · -
	70	4,444,367	4/24/84	Spillman	-	_	
	71	4,521,220	06/04/85	Schoofs		_	
	72	4,541,810	09/17/85	Wenzel	-	_	
	73	4,657,515	4/14/1987	Ciccotelli	-		
	74	4,689,029	8/25/1987	Ciccotelli	_	_	
	75	4,705,240	10/10/87	Dixon	-	_	
	76	4,722,499	2/2/88	Klug	-	_	
	77	4,738,645	04/19/88	Garofalo	_	_	
	78	4,752,259	6/21/1988	Tackett, et. al.	•	_	
	79	4,773,885	9/27/1988	Ciccotelli	_	_	·
	80	4,775,343	10/4/1988	Lamont, et. al.	_		
V	81	4,776,535	10/11/88	Paterson et al.	-		

EXAMINER	WRIGHT	DATE CONSIDERED S	Ti	4	104
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*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. NATURES 025A	APPLICATION NO. Unknown	
OT 16 MB OF BY APPLICANT	APPLICANT Peter T. McCarthy		
(USE TEVERAL SHEETS IF NECESSARY)	FILING DATE Jul;y 18, 2003	GROUP Unknown	

	U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME ,	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
for	82	4,776,542	10/11/88	Van Dam		-	
7	83	4,781,637	11/01/88	Caires		_	
	84	4,820,218	04/11/89	Van de Pol	_	_	
	85	4,857,024	08/15/89	Evans	J		
	86	4,869,696	9/26/1989	Ciccotelli	_		
	87	4,895,537	1/23/1990	Ciccotelli	_	_	
	88	4,929,206	5/29/1990	Evans	j	_	
	89	4,934,971	06/19/90	Picken	_	_	
	90	4,940,437	07/10/90	Piatt			
	91	4,944,703	07/31/90	Mosier	_	_	
	92	4,949,919	8/11/90	Wajnikonis	_	_	
	93	4,954,111	09/04/90	Cressi		_	
	94	4,954,112	09/04/90	Negrini et al.	_		
	95	4,975,022	12/4/90	Репу	_	_	
	96	5,058,837	10/22/91	Wheeler		_	
	97	5,074,234	12/24/91	Steams, IV	_	_	
	98	5,150,859	9/29/92	Ransick	_	-	
	99	5,163,859	11/17/92	Beltrani, et al.	_	-	
	100	5,304,081	4/19/1994	Takizawa	_		
	101	5,324,219	06/28/94	Beltrani et al.			
	102	5,356,323	10/18/94	Evans	_		
	103	5,358,094	10/18/94	Sylvain		_	
	104	5,358,439	10/25/94	Paolo	_		
	105	5,366,177	11/22/94	DeCoux	_		
	106	5,374,210	12/20/94	Sardella	_		
/	107	5,387,145	2/7/1995	Wagner	_	_	
V	108	5,417,599	05/23/95	Evans	_	_	

EXAMINER	WRIGHT	DATE CONSIDERED	5/	14	104
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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY. DOCKET NO. NATURES.025A

APPLICATION NO. Unknown

APPLICANT Peter T. McCarthy

FILING DATE

Jul;y 18, 2003

GROUP Unknown

U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FILING DATE INITIAL (IF APPROPRIATE) 5,429,536 7/4/1995 109 5,435,764 7/25/1995 Testa, et. al. 110 5,443,593 8/22/1995 111 Garofalo 5,522,748 6/4/1996 112 Cressi 5,527,197 6/18/1996 Evans 113 114 5,533,918 7/9/1996 Sanders 5,595,518 1/21/1997 115 Ours 5,597,336 1/28/1997 116 Evans 117 5,634,613 6/3/97 McCarthy 118 5,746,631 5/5/1998 McCarthy 119 5,810,629 9/22/1998 6,050,868 4/18/00 McCarthy 120 121 6,053,788 4/25/00 Garofalo McCarthy 6,095,879 8/2000 122 6,126,503 10/3/00 123 Viale, et al. 124 6,146,224 11/14/00 McCarthy 6,290,561 B1 9/18/01 Garofalo et al. 125 126 6,364,728 B1 4/2/02 Viale et al. 4/16/02 6,371,821 127 McCarthy 6,413,133 B1 7/2/02 128 McCarthy 6,482,059 B2 11/19/02 129 McCarthy 6,497,597 130 12/24/02 McCarthy 131 6,585,548 7/1/03 McCarthy 6,607,411 8/19/03 132 McCarthy Des. 278,165 3/26/1985 133 Evans Des. 302,999 8/22/1989 134 McCredie 135 Des. 327,933 7/14/1992 Evans

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*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 669; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY, DOCKET NO. NATURES,025A APPLICATION NO. FORM PTO-1449 Unknown INPORMATION DISCLOSURE STATEMENT BY APPLICANT 1 6 2003 6 APPLICANT Peter T. McCarthy SEVERAL SHEETS IF NECESSARY) FILING DATE Jul;y 18, 2003 **GROUP** Unknown

	U.S. PATENT DOCUMENTS								
EXAM!			DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)	
1	p	136	Des. 327,934	7/14/1992	Evans	_	-		
		137	Des. 327,935	7/14/1992	Evans	_			
		138	Des. 328,118	7/21/1992	Evans	_			
		139	Des. 340,272	10/12/1993	Evans	-	_	· · · · · · · · · · · · · · · · · · ·	
		140	Des. 353,181	12/6/1994	Evans	-			
		141	Des. 393,684	4/21/1998	Lin			· · · · · · · · · · · · · · · · · · ·	
		142	Des. 396,897	8/11/1998	Evans	_			
	/	143	Des. 404,456	1/19/1999	Evans				

				FOREIGN PATENT DOCUMENTS				
EXAMINER		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
INITIAL							YES	NO
	144	1501208	Nev-1967	France				
	145	500764	2/1030	Cermeny				
	146	DD 259 353 A	08/24/88	Веппапу				
	147	FR 2574-748 A	06/20/86	Franco				
	148	JP82 134305	06/17/87	Japan				
	149	3U 1323 403 A	03/13/88	Soviet Union				
	150		03/20/80	Europa				
	151	DS 3438888	04/24/88	Germany				
	152	2 0 6 8 0 4 1	1971	France				
	153	2 213 072	1974	Frence				
Au	154	625377	09/19/61	Italy	-	-		
An	155	625377	09/19/61	ITALY (with Certified Translation)	-	_	х	
An	156	1,245,395	1960	France	-	_		
An	157	1.245.395	9/26/60	FRANCE (with Certified Translation)	-		х	
Ar	158	17,033	1890	England	-	_		

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY. DOCKET NO. NATURES.025A APPLICATION NO. FORM PTO-1449 Unknown NFORMATION DISCLOSURE STATEMENT BY APPLICANT APPLICANT 1 6 2003 Peter T. McCarthy (USE SEVERAL SHEETS IF NECESSARY) **GROUP** FILING DATE Jul;y 18, 2003 Unknown

				FOREIGN PATENT DOCUMENTS				
EXAMINER		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION
INITIAL					·		YES	NO
	159	787,291	1935	Prance				
	160	553307	1050	italy				
	161	61-6097	1980	Japan				
A	162	1,075 997	1960	Germany	-	_		
A_	163	1,075 997	1960	Germany (with Certified Translation)	_	_	х	
A	164	1284765	1972	Great Britain	-	-		
A	165	2 543 841	1983	France		_		
A-	166	2 543 841	1983	French Republic (certified translation)	-	-	Х	
A	167	234305	5/28/1925	Great Britain	_	_		
	168	2,490,498	3/26/82	Frence				
	169	1,208,690	1959	France				
	170	SU 1230302 A1	6/23/86	Soviet Union				
	171	0.482.932.A1	4/20/02	Ечгоро				
	172	0 758 393 A2	10/0/06	Europe		****		
	173	768302	1/1034	France			-	
	174	0 500 764 A1	4/14/02	Europe				

EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
Ar	175	Rossier, Robert N., entitled, "Moving Forward - Getting your best kick in the water can come from a combination of design, efficiency and hydrodynamics in fins". ALERT DIVER, Nov-Dec 1997, pages 26 - 28.
	176	Triantafyllou, Michael S. and Triantafyllou George S., entitled, "An Efficient Swimming Machine". SCIENTIFIC AMERICAN, March 1995, pages 64-70.
	177	*3302 of 1880* (Picture From Book-Found in US PTO)
	178	*Test Dive* Article in Jan/Feb 1996 issue of Sport Diver Magazine
	179	"Oceanic V-Drive Fins" in May/Jun. 1996 Issue of Sport Diver Magazine
	180	Walton and Katz 'Application of Leading-Edge Vortex Manipulations to Reduce Wing Rock Amplitudes' Journal of Aircraft Vol. 30, No. 4, pp. 555-559
	181	Traub and Nurick 'Effects of Wing-Tip Vortex Flaps' Journal of Aircraft Vol. 30, No. 4, pp. 557-559
	182	Grantz and Marchman III* Trailing Edge Flap Influence on Leading Edge Vortex Flap Aerodynamics*, Journal of Aircraft Vol. 20, No. 2, pp. 165-169
	183	Rao *An Exploratory Study of Area-Efficient Vortex Flap Concepts* Journal of Aircraft, Vol. 20, No. 12, pp. 1062-1067

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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. NATURES.025A

APPLICATION N Unknown

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SEVERAL SHEETS IF NECESSARY)

APPLICANT

FILING DATE

Jul;y 18, 2003

Peter T. McCarthy

GROUP Unknown

EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
A	184	Lamar and Campbell "Vortex Flaps-Advanced Control Devices for Supercruise Fighters" Jan. 1984, Aerospace America.
1	185	*BZ* bodysurfing fin (Picture), 1 st production in 1990
	186	"Blade Pro" bodysurfing fin (Picture), 1 st production 1991
	187	"Wave Rebel" bodysurfing fin (Picture), 1st production 1994
$\overline{}$	188	Art. 1400 Pinna *Professional* Fin (1989)
	189	
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*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPE 608; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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P FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY, DOCKET NO. NATURES.025A	APPLICATION NO. Unknown
NOV 1 7 2000 NEGRMATION DISCLOSURE STATEMENT		10 623 (87
BY APPLICANT	APPLICANT Peter T. McCarthy	
(USE SEVERAL SHEETS IF NECESSARY)	FILING DATE July 18, 2003	GROUP Unknown

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)		
	1								<u></u> -	
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			FOREIGN	PATENT DOC	CUMENTS					
EXAMINER		DOCUMENT NUMBER	DATE	,	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
INITIAL								YES	NO	
A	3	WO 01 85267 A	November 15, 2001	PCT			-			
A	4	EP 1 082 975 A	March 14, 2001	Europe			_			
	5									
EXAMINER	<u> </u>	0.	THER DOCUMENTS (INCLU	DING AUTHO	R, TITLE. DATE, PER	TINENT PAGES,	ETC.)			

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